	Cargo piping	46 CFR 56.30	Ground Tackle:
	 Expansion joints Controls Supports Hoses-drip pans Valves 	46 CFR 56.35 46 CFR 56.20	Anchors Tested Windlass Capstans A6 CFR 77.07 46 CFR 96.07
	Cargo tank venting Independent PV valves Independent goosenecks • Flame screen • Closure device	46 CFR 70.05-30 46 CFR 90.05-35	Mooring, standing and running gear (other than gear covered by Cargo Gear Certificate) Lifesaving Equipment:
	Explosion-proof fixtures	46 CFR 111.105	NOTE: Exemptions and alternatives for vessels not subject to SOLAS can be found in 46 CFR 199.600.
	Independent tanks, fixed, portable, or marine portable External examination Date of internal examination Date of hydrostatic test Metal information plate Marking and labeling Saddles; foundation and stowage Piping and valves Relief valves Lifting fittings	46 CFR 98.30	General alarms Controls Batteries and fuses Tested Markings Bell locations audible Type of lifeboat Davit launched Free fall
	Securing devicesPump and controls		Lifeboats stripped, cleaned and inspected 46 CFR 199.190(f) • Date of annual servicing
	 Cargo hose Electrical grounding Firefighting requirements Authorized cargo 		■ Lifeboats and work boats 46 CFR 199.201 • Hull and fittings 46 CFR 199.202 • Tanks and fittings 46 CFR 199.261 • Cradles 50LAS 74/78 III/19.2 • Gripes SOLAS 74/78 III/26 • Compressed air cylinders MSM Ch. C2.H.2
Note	S:		Notes:
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	Guards, ladders, rails, and gangways (including accommodation ladders or pilot ladders)	46 CFR 72.40 46 CFR 92.25 ICLL 66 Reg. 25
	Elevators and escalators	46 CFR 72.05-20 46 CFR 111.91
	Watertight doors in subdivision bulkhead tested by:	46 CFR 170.270
	 Local control by hand Local control by power Remote control by hand Indicators Remote control by power Indicators 	
	Cargo gear examined (in absence of Cargo Gear Certificate)	46 CFR 91.37
	RecordsSafe Working Load markings	
	Exercise valves and controls	46 CFR 78.17-5
	 Bilge valves Overboard discharge valves Equalizing valves Emergency shutoff valves Scupper valves Remote control Reach rods 	
	Bilge wells, cofferdams, and suctions	46 CFR 56.50-50
	Bulkhead penetrations	MSM Ch. B1.E.6
	 Piping protection Removable guards (where required) Cargo hold Baggage spaces 	MSM Vol. IV, Ch. 3.G.2.b
Votes	s:	

Item Number	Item	International Voyage		Short International Voyage	
Number		Lifeboat	Rescue Boat	Lifeboat	Rescue Boat
29	Signal, smoke	2		2	
30	Signal, hand flare	6		6	
31	Signal, parachute flare	4		4	
32	Skates and fenders ⁸	1	1	1	1
33	Sponge ⁷		2		2
34	Survival instructions	1		1	
35	Table of lifesaving signals	1		1	
36	Thermal protective aids ⁹	10%	10%	10%	10%
37	Tool kit	1		1	
38	Tow line ¹⁰	1	1	1	1
39	Water (liters/person)	3		3	
40	Whistle	1	1	1	1

Footnotes:

- 1 Each rigid liferaft equipped for 13 persons or more must carry two of these items.
- 2 Not required for boats of self-bailing design.
- 3 Not required for inflated or rigid-inflated rescue boats.
- 4 A hatchet counts towards this requirement in rigid rescue boats.
- 5 Oars are not required on a free-fall lifeboat; a unit of oars means the number of oars specified by the boat manufacturer.
- 6 Rescue boats may substitute buoyant paddles for oars, as specified by the manufacturer.
- 7 Not required for a rigid rescue boat.
- 8 Required if specified by the boat manufacturer.
- 9 Sufficient thermal protective aids are required for at least 10% of the persons the survival craft is equipped to carry, but not less than two.
- 10 Required only if the lifeboat is also the rescue boat.

Notes:	 	 	

	 EPIRB (406 MHz) Float-free arrangement Battery date current Hydrostatic release GMDSS lifeboat radios (VHF) 	SOLAS 74/78 IV/7.1.6 46 CFR 199.510 SOLAS 74/78 III/6.2		Lifeboat winches Brakes Controls Cranks Covers Limit switches and electrical controls	46 CFR 199.199(i) SOLAS 74/78 III/19 MSM Ch. C2.H.6
	3 if over 500 GTOperable condition9 GHz radar transponder (SART)	SOLAS 74/78 III/6.2		Embarkation aidsLaddersAccess	46 CFR 199.190(f) SOLAS 74/78 III/11
	 Freight vessels > 300 GT and < 500 require 1 Freight vessels > 500 GT and passenger vessels require 2 	NVIC 9-93		Spans and lifelinesIlluminationFrapping and tricing lines	
	 Stowed so to be rapidly placed in survival craft or stowed in survival craft NAVTEX	SOLAS 74/78 IV/7.1.4		Lifeboat weight test Light load Full load: date	46 CFR 199.45(b) SOLAS 74/78 III/19 MSM Ch. B1.P
0	and Haalth and Cafatry			Liferafts	46 CFR 199.190
	eral Health and Safety: Hospital and first aid equipment	46 CFR 72.20-35 46 CFR 92.20-35		Launching instructions postedEquipment and stowageAnnual service dates	SOLAS 74/78 III/19 SOLAS 74/78 III/26 MSM Ch. C2.H.3 46 CFR 199.190(g)
	Operating room explosion-proof	46 CFR 111.105-37			
	Emergency lighting	46 CFR 112.43			
	Protection of spaces specially suited for vehicles	46 CFR 70.10-44 46 CFR 90.10-38		Hydro release service dates	46 CFR 199.190(h) MSM Ch. C2.H.3
	Gas detection systemsElectrical hazardous locations				
	Crew and passenger accommodations Size Lighting and wiring Heating Ventilation Sanitation	46 CFR 72.20 46 CFR 72.25 46 CFR 92.20 46 CFR 92.15-15		 Weak link Float free Illumination Markings Capacities Launching devices tested 	MSM Ch. C3.H.3
	ScreensInsulationFire retardant		Note		MGM 61. 66.1 1.6
Note	S:				

Section 3: Inspection Items Placard of lifesaving signals 46 CFR 97.43 SOLAS 74/78 V/16 **Navigation Equipment:** Pilot ladder and hoists in good condition SOLAS 74/78 V/17 Station bill posted Navigation publications (as applicable) 33 CFR 164.33 46 CFR 199.80 SOLAS 74/78 V/20 SOLAS 74/78 III/8.3 Current and corrected charts U.S. Coast Pilot **Fire Protection Equipment: Great Lakes Pilot** Sailing directions Fire control plan 46 CFR 78.45-1 Coast Guard Light List 46 CFR 97.36-1 Permanently posted Notice to mariners SOLAS 74/78 II-2/20 Copy permanently stored in weathertight Tide tables container outside deckhouse Tidal current tables Patrol system 46 CFR 78.30-10 International Rules of the Road 46 CFR 78.30-15 Stations properly numbered and sealed Inland Rules of the Road 46 CFR 95.05-1 Key clock charts Operationally test radar(s) and ARPA 33 CFR 164.35 Fire detection systems 46 CFR 76.05-1 33 CFR 164.37 46 CFR 95.05-1 2 required if over 10,000 GT Smoke / fire alarms 33 CFR 164.38 SOLAS 74/78 II-2/13 Operate independently Remote pull stations SOLAS 74/78 V/12 SOLAS 74/78 II-2/11.8 Smoke / flame / heat detectors and sensors ARPA acquires targets SOLAS 74/78 II-2/53 **NVIC 7-80** Compasses 33 CFR 164.35 Portable extinguishers 46 CFR 76.50 SOLAS 74/78 V/12 Illuminated gyrocompass with repeater at stand 46 CFR 95.50 Serviced annually Illuminated magnetic compass SOLAS 74/78 II-2/6 Bottles hydrostatically tested (every 5 years) SOLAS 74/78 II-2/21 Current deviation table Markings (weight and hydrostatic test date) MSM Ch. C2.I.3 Test electronic depth sounding device and Spare charges, spare extinguishers **NVIC 7-70** 33 CFR 164.35 **NVIC 13-86** SOLAS 74/78 V/12 recorder Semiportable extinguishers 46 CFR 76.50 Accurate readout 46 CFR 95.50 Serviced annually Test all transducers SOLAS 74/78 II-2/6 Bottles hydrostatically tested (every 12 years) Continuous recorder (chart) SOLAS 74/78 II-2/21 Controls, instructions, markings MSM Ch. C2.I.4 Speed and distance indicator 33 CFR 164.40 Hose and diffuser SOLAS 74/78 V/12 Flexible loops tested or replaced (same as bottle) Propulsion shaft tachometer SOLAS 74/78 V/12 Notes: Notes: _____

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<u>Log</u>	s and Manuals:			Passenger vessels: structural fire protection	46 CFR 72.05
	Lifesaving equipment maintenance record Periodic checks as required Visual inspection of survival craft / rescue boat and launching appliances Operation of lifeboat / rescue boat engines Lifesaving appliances, including lifeboat equipment	46 CFR 199.190(e) SOLAS 74/78 III/19		 Draft stops Fire dampers Bulkheads Insulation Ventilation Penetrations 	SOLAS 74/78 II-2/23
	examined Emergency training and drills Onboard training in use of lifesaving equipment (all	SOLAS 74/78 III/18		Cargo and miscellaneous vessels: structural fire protection • Bulkheads	46 CFR 92.07 SOLAS 74/78 II-2/42
	crew members) SOLAS training manual Logbook records Fire and lifeboat drills General alarm tested Bridge log	46 CFR 199.180 SOLAS 74/78 III/18.5 SOLAS 74/78 III/25 SOLAS 74/78 V/19		 Insulation Fire doors and controls tested Machinery space and stair towers Not tied or blocked open Installed closure devices working 	46 CFR 72.05-25 46 CFR 92.07-10 SOLAS 74/78 II-2/46 SOLAS 74/78 II-2/47
	 Pre-arrival tests conducted Casualties (navigation equipment and steering gear 	STCW 95 I/14 33 CFR 164.25 33 CFR 164.53		Remote controls to power ventilation marked and tested	46 CFR 111.103-1
	failures reported) Steering gear drills Emergency steering drills	46 CFR 97.35		Closures for spaces protected by fixed smothering systems	46 CFR 76.15-35 46 CFR 95.15-35
	Stability information	46 CFR 78.17-20 46 CFR 97.15-5 SOLAS 74/78 II-1/22.1		International shore connection	46 CFR 76.10-10(c) 46 CFR 95.10-10(c) SOLAS 74/78 II-2/19
	Information available to master (as required) Loading manual	46 CFR 78.17-22 46 CFR 97.12-1	<u>Poll</u>	ution Prevention:	
	Trim and stability book			Pollution placard posted	33 CFR 155.450
Pol	ution Prevention Records:			MARPOL V placard posted	33 CFR 151.59
	Oil record book (Part 1) Each operation signed by person-in-charge Each complete page signed by master	MARPOL Ax. I/20 33 CFR 151.25		Person-in-charge designation	33 CFR 155.700
Note	Book maintained for 3 years S: S: S: S: S: S: S: S: S: S		Notes	S:	

Endors. Date Exp. Date Issue Date Port Issued # □ Issuing Agency Document of Compliance(DOC) Name of Certificate Passenger Ship Safety (PSS) International Load Line (ILL) International Tonnage (ITC) Safety Management (SMC) International Oil Pollution Prevention (IOPP) No Change No Change No Change No Change No Change No Change

Section 4: Drills

☐ Fire Drill:		
Initial notifications	Familiarity with duties	Space isolation
General alarms / signals	Familiarity with equipment	Smoke control
Crew response	Fire pumps started	Arrange care of passengers
Properly dressed / equipped	Two jets of water	Communications w/ bridge
Language understood by crew	Fire doors and dampers	
(SOLAS 74/78 III/18.3; MSM Vo	ol. II/D5.C.7.i; NVIC 6-91)	
Location:		Time on Scene:
Notes:		
-		
-		

Vessel Information:

Classification Society					
ISM Issuer: Sa	ame as above?				
Yes	No If not the same Recognized Organ	,			
	of validity for ISM docum In documents should be fu		•	to the following list.	
□ 5 years = Fu	ll term (SMS and DOC)		12 months = Int	terim (DOC)	
□ 6 months = Interim (SMC) □ 5 months = Short term (SMC)				ort term (SMC)	
Gross Tons				No Change (VFMD)	
Net Tons				No Change (VFMD)	
Built Date (use delivery date) No Char (VFC					
Overall Length	(in feet)			No Change (VFMD)	

Vessel Description:

Container Vessel

Vehicle Carrier

Bulk Carrier

School Ship

Other

Section 5: Appendices

Recommended US Vessel Deficiency Procedures:

	illelided OS vessel Delici	elicy i locedules.				
Step	Action					
1	Identify deficiency.					
2	Inform vessel representative.					
3	Record on the Deficiency Summ	nary Worksheet (next page).				
4	If deficiency is corrected prior to	end of inspection, go to Step 7.				
5	If deficiency is unable to be corrected prior to end of inspection issue CG-835 in accordance with table below.					
	IF deficiency:	THEN issue CG-835:				
	Does NOT immediately impact crew/passenger safety, hull seaworthiness, or the environment, e.g., • Missing placards • Non-metallic expansion joints	That provides a specific time for correcting deficiency, e.g., • "X" number of days • At next drydock				
	Allows vessel operations to be MODIFIED to meet less stringent requirements, e.g., • Expired international certificates • Automation defect • Insufficient lifesaving equipment	That restricts operation of vessel to meet current vessel conditions, e.g., • Reduced route • Increased crew • Fewer passengers				
	DOES immediately impact crew/passenger safety, hull seaworthiness, or the environment, and cannot be modified to meet less stringent requirements, e.g., • Missing or defective firefighting equipment • Structural defect or damage	That requires the deficiency to be corrected prior to operating vessel ("NO SAIL" item), e.g., • Prior to carrying passengers • Prior to carrying cargo				
6	Enter CG-835 data in MIDR.					
7	Enter deficiency data in MSDS.					
8	Initiate Report of Violation (ROV	/) if necessary.				

Section 1: Administrative Items

IMO Applicability Dates:

Reference	Date
SOLAS 1960	26 MAY 65
SOLAS 1974	25 MAY 80
1978 Protocol to SOLAS 1974	01 MAY 81
1981 Amendments (II-1 & II-2)	01 SEP 84
1983 Amendments (III) Various additional amendments to SOLAS	01 JUL 86
various additional amendments to SOLAS	
MARPOL 73/78 Annex I	02 OCT 83
MARPOL 73/78 Annex II	06 APR 87
MARPOL 73/78 Annex III	01 JUL 92
MARPOL 73/78 Annex V	31 DEC 88
IBC Code	After 01 JUL 86
BCH Code	Prior to 01 JUL 86
COLREGS 1972	15 JUL 77
Various additional amendments to COLREGS	
Load Line 1966	21 JUL 68
STCW 1978	28 APR 84
1991 Amendments	01 DEC 92
1994 Amendments	01 JAN 96
1995 Amendments	01 FEB 97

Deficiency	MSIS Code	Req't. Issued / Date Completed

Deficiencies identified should be listed with MSIS codes. At completion of inspection/examination, any outstanding deficiencies shall be entered in MIDR or PSDR as appropriate. All deficiencies found (outstanding and completed) shall be entered in the Deficiency Summary. Worklist items, which serve only as memory joggers to complete inspection/examination (e.g., test emergency fire pump), should not be coded as deficiencies.

MSIS Codes for Deficiencies:

BS	Ballast	DC	Dry Cargo	IC	I/C Engine
ВІ	Bilge	ES	Electrical	LS	Lifesaving
ВА	Boiler, Aux.	FF	Firefighting	MI	Miscellaneous
вм	Boiler, Main	FL	Fuel	NS	Navigation
cs	Cargo	GS	General Safety	PP	Propulsion
DM	Deck Machinery	НА	Habitation	SS	Steering
DL	Doc., Lics., Pmts.	HU	Hull		

Notes:			

Total Time Spent Per Activity:

Regular Personnel (Active Duty)								
ACTIVITY TYPE	(PERS) MI							

TOTAL ADMIN HOURS	TOTAL TRAVEL HOURS					

Reserve Personnel									
ACTIVITY TYPE	ACTIVITY	TRAINING	(PERS) MI						

TOTAL ADMIN HOURS	TOTAL TRAVEL HOURS
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Auxiliary Resources							
TOTAL BOAT HOURS	TOTAL AIRCRAFT HOURS						

Conversions:

Distance and Energy												
Kilowatts (kW) X			1.341		=	Hor	Horsepower (hp)					
Feet (ft)			Х		3.281 =		=	Met	Meters (m)			
Long To	on (LT	·)	Х		.9842	21	=	Met	ric Ton (t)			
Liquid (NOTE: Values are approximate.)												
Liqui	d		bb	I/LT		m³/t		bb	l/m³		bbl/t	
Freshwa	ater		6	.40		1.00		6	.29		6.29	
Saltwate	er		6	.24		.975		6	.13		5.98	
Heavy (Dil		6	.77		1.06		6	.66		7.06	
DFM			6	.60		1.19		7	.48		8.91	
Lube Oi	I		7	.66		1.20		7	.54		9.05	
Weigh	nt											
1 Long	Ton	=	2240 lbs			1 Metric	Ton	=	2204 lbs	6		
1 Short Ton = 2000 lbs		2000 lbs		1 Cubic Foot			=	7.48 gal				
1 Barrel (oil) = 5.61 ft = 6.29 m ³		5.61 ft = 4 6.29 m ³	2 gal = 1 psi			= .06895 Bar = 2.3106 ft of water						
Temp	eratı	ıre:	Fahrenh	eit = Ce	elsiu	s (°F=9	9/5 °C	+ 32	and °C =	= 5/9	(°F – 32))	
0	=	-17.8	3	80	=	26.7			200	=	93.3	
32	=	0		90	=	32.2			250	=	121.1	
40	=	4.4		100	=	37.8			300	=	148.9	
50	=	10.0		110	=	43.3			400	=	204.4	
60	=	15.6		120	=	48.9			500	=	260	
70	=	21.1		150	=	65.6			1000	=	537.8	
Pressure: Bars = Pounds per square inch												
1 Bar	=	14.	5 psi	5 Bars	=	72.5	psi		9 Bars	=	130.5 psi	
2 bars	=	29.0	0 psi	6 Bars	=	87.0	psi		10 Bars	=	145.0 psi	
3 Bars	=	43.	5 psi	7 Bars	=	101.5	psi					
4 Bars	=	58.0	0 psi	8 Bars	=	116.0	psi					